



PTO/SB/21 (02-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	10/693,143
		Filing Date	October 24, 2003
		First Named Inventor	Berman, Michael
		Art Unit	1742
		Examiner Name	N/A
Total Number of Pages in This Submission	4	Attorney Docket Number	03-0702

### ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1. Return Postcard 2. Copy of Cited References
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Remarks

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Timothy R. Croll, Reg. No. 36,771
Signature	
Date	25 MAR 04

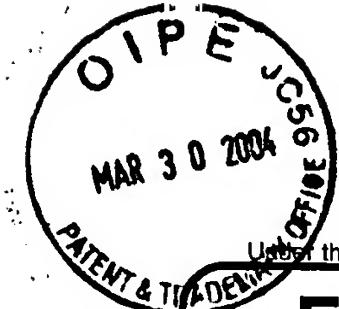
### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Mark Salvatore	
Signature		Date 25 MAR 04

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 0.00)

## Complete if Known

Application Number	10/693,143
Filing Date	October 24, 2003
First Named Inventor	Berman, Michael
Examiner Name	N/A
Art Unit	1742
Attorney Docket No.	03-0702

## METHOD OF PAYMENT (check all that apply)

 Check  Credit card  Money Order  Other  None
 Deposit Account:

Deposit Account Number

12-2252

Deposit Account Name

LSI Logic Corporation

The Director is authorized to: (check all that apply)

- Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) or any underpayment of fee(s)  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee			
1002 340	2002 170	Design filing fee			
1003 530	2003 265	Plant filing fee			
1004 770	2004 385	Reissue filing fee			
1005 160	2005 80	Provisional filing fee			
SUBTOTAL (1)		(\$ 0.00)			

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
			-20** =	X	=
			- 3** =	X	=

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20		
1201 86	2201 43	Independent claims in excess of 3		
1203 290	2203 145	Multiple dependent claim, if not paid		
1204 86	2204 43	** Reissue independent claims over original patent		
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent		
SUBTOTAL (2)		(\$ 0.00)		

\*\*or number previously paid, if greater; For Reissues, see above

## 3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee (\$)	Fee Code (\$)	Fee (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath			
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet			
1053 130	1053 130	Non-English specification			
1812 2,520	1812 2,520	For filing a request for ex parte reexamination			
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action			
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action			
1251 110	2251 55	Extension for reply within first month			
1252 420	2252 210	Extension for reply within second month			
1253 950	2253 475	Extension for reply within third month			
1254 1,480	2254 740	Extension for reply within fourth month			
1255 2,010	2255 1,005	Extension for reply within fifth month			
1401 330	2401 165	Notice of Appeal			
1402 330	2402 165	Filing a brief in support of an appeal			
1403 290	2403 145	Request for oral hearing			
1451 1,510	1451 1,510	Petition to institute a public use proceeding			
1452 110	2452 55	Petition to revive - unavoidable			
1453 1,330	2453 665	Petition to revive - unintentional			
1501 1,330	2501 665	Utility issue fee (or reissue)			
1502 480	2502 240	Design issue fee			
1503 640	2503 320	Plant issue fee			
1460 130	1460 130	Petitions to the Commissioner			
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)			
1806 180	1806 180	Submission of Information Disclosure Stmt			
8021 40	8021 40	Recording each patent assignment per property (times number of properties)			
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))			
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))			
1801 770	2801 385	Request for Continued Examination (RCE)			
1802 900	1802 900	Request for expedited examination of a design application			

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0.00)

(Complete if applicable)

## SUBMITTED BY

Name (Print/Type)	Timothy R. Croll	Registration No. (Attorney/Agent)	36,771	Telephone	408-433-7625
Signature		Date	25 MAR 04		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Michael Berman et. al.



Serial No.:

10/693,143

Group Art Unit: 1742

Filed:

October 24, 2003

Examiner:

For:

Abrasive Electrolyte

Atty Docket: 58716.US / 03-0702

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the date below:

Mark Salvatore

March 26, 2004

Date

A handwritten signature in black ink, appearing to read "Mark Salvatore".

Signature

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The references listed in the attached form, copies of which are attached, may be material to examination of above-identified application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR 1.56 and 1.97.

It is requested that the information disclosed herein be made of record in the application.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

If it is determined that any additional fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 12-2252.

LSI Logic Corporation  
1551 McCarthy Blvd., MS D-106  
Milipitas, CA 95035  
408-433-7475

Date: 25 MAR 04

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Timothy Croll".

Timothy Croll

Reg. No. 36,771



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/08A (10-96)

Approved for use through 10/31/99. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet

1

of

1

*Complete if Known*

Application Number	10/693,143
Filing Date	October-24, 2003
First Named Inventor	Michael Berman
Group Art Unit	1742
Examiner Name	
Attorney Docket No.	58716.US / 03-0702

### U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document Number	Name of Patentee or Applicant of Cited Document (if known)	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		6,368,190	Easter et al.	04-09-2002	

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where	T
		"Mechanical Stress Free Processing Method", Berman, Michael J. et al., Serial No. 10/410,925, filed April 9, 2003	

Examiner signature	Date considered
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Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO : Assistant Commissioner for Patents, Washington, DC 20231.



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**CERTIFICATE OF EXPRESS MAILING**

I hereby certify that this paper and the documents and/or fees referred to as attached therein are being deposited with the United States Postal Service on April 09, 2003 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR §1.10, Mailing Label Number EV266584237US, addressed to the Commissioner for Patents, Washington, DC 20231.

Ryan Eachus  
Ryan Eachus

Attorney Docket No.: 03-0236/LSIIP221

First Named Inventor: Berman

**UTILITY PATENT APPLICATION TRANSMITTAL (37 CFR. § 1.53(b))**

Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

Sir: This is a request for filing a patent application under 37 CFR. § 1.53(b) in the name of inventors:  
**Michael J. Berman and Steven E. Reder**

For: **MECHANICAL STRESS FREE PROCESSING METHOD**

Assigned to: LSI Logic Corporation

**Application Elements:**

- 27** Pages of Specification, Claims and Abstract
- 04** Sheets of formal Drawings
- 02** Pages Combined Declaration and Power of Attorney

**Accompanying Application Parts:**

- Do not publish this application. Nonpublication Request is attached.
- Assignment and Assignment Recordation Cover Sheet
- 37 CFR 3.73(b) Statement by Assignee
- Information Disclosure Statement with Form PTO-1449
  - Copies of IDS Citations
- Preliminary Amendment
- Return Receipt Postcard
- Other:

Claim For Foreign Priority

- Priority of Application No. filed on  
is claimed under 35 U.S.C. § 119.
- The certified copy is enclosed.  
 The certified copy has been filed in prior application U.S. Application No.  
 The certified copy will follow.

Fee Calculation (37 CFR § 1.16)

- Applicant is entitled to Small Entity Status under 37 C.F.R. §1.27.

	(Col. 1) Total Claims		(Col. 2) Claims	(Col. 3) Present Extra	Rate	Additional Fee
TOTAL	20	MINUS	20	= 0	x 18 =	0
INDEP.	2	MINUS	3	= 0	x 84 =	0
[ ] First presentation of multiple dependent claim						\$280 =
Basic Filing Fee under 37 C.F.R. §1.16(a)						\$750 = 750.00
						<b>TOTAL</b> \$750.00
<b>SMALL ENTITY 50% FILING FEE REDUCTION (if applicable)</b>						

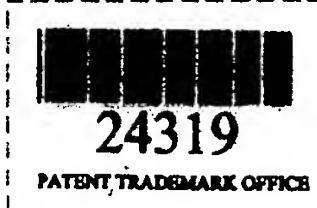
- The Commissioner is authorized to charge \$750.00, the fees which are required, or to credit any overpayment, to Deposit Account No. 12-2252 (Order No. 03-0236).

General Authorization for Petition for Extension of Time (37 CFR §1.136)

- Applicants hereby make and generally authorize any Petitions for Extensions of Time as may be needed for any subsequent filings. The Commissioner is also authorized to charge any extension fees under 37 CFR §1.17 as may be needed to Deposit Account No. 12-2252 (Order No. 03-0236).

- Please send correspondence to the following address:

Customer Number 024319



A handwritten signature in black ink, appearing to read "Russell N. Swerdon".

Russell N. Swerdon  
Registration No. 36,943

Date: April 9, 2003



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Berman et al.

Attorney Docket No.: 03-0236/LSI1P221

Application No.: Not yet assigned

Examiner: Not yet assigned

Filed: Herewith

Group: Not yet assigned

**Title: MECHANICAL STRESS FREE  
PROCESSING METHOD**

**CERTIFICATE OF EXPRESS MAILING**

I hereby certify that this paper and the documents and/or fees referred to as attached therein are being deposited with the United States Postal Service on April 09, 2003 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR §1.10, Mailing Label Number EV266S84237US, addressed to the Commissioner for Patents, Washington, DC 20231.

  
\_\_\_\_\_  
Ryan Eachus

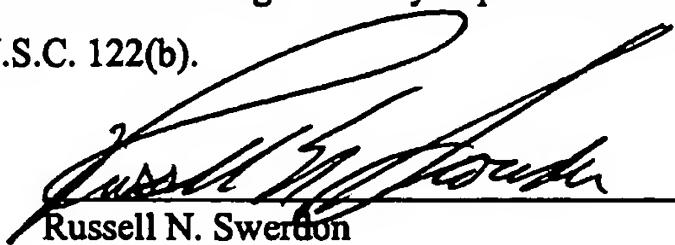
**NONPUBLICATION REQUEST AND CERTIFICATION  
(35 U.S.C. 122(b)(2)(B)(i))**

Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

Sir:

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen (18) months after filing. I hereby request that the attached application NOT be published under 35 U.S.C. 122(b).

Date: 4.9.03

  
\_\_\_\_\_  
Russell N. Swerdon  
Registration No. 36,943

**NOTE:**

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application upon filing.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications, eighteen months after filing, the applicant must notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(ii)).